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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/039,272

DATE: 06/05/2002
TIME: 10:41:54

Input Set : A:\267_033.ST25.txt
Output Set: N:\CRF3\06052002\J039272.raw

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 3 <110> APPLICANT: RAMESHWAR, Pranela
 5 <120> TITLE OF INVENTION: HEMATOPOIETIC GROWTH FACTOR INDUCIBLE NEUROKININ-TYPE
 7 <130> FILE REFERENCE: 267/033 University of Medicine & Dentistry of New Jersey
 9 <140> CURRENT APPLICATION NUMBER: US 10/039,272
10 <141> CURRENT FILING DATE: 2001-10-20
12 <150> PRIOR APPLICATION NUMBER: US 60/241,881
13 <151> PRIOR FILING DATE: 2000-10-20
15 <160> NUMBER OF SEQ ID NOS: 2
17 <170> SOFTWARE: PatentIn version 3.1
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 2661
21 <212> TYPE: DNA
22 <213> ORGANISM: Homo sapiens
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29 ccgccaaacg atttcatgat gtgctgggca atgaaagacc ttctgcttac atgagggagc    180
31 acaatcaatt aaatggctgg tcttctgatg aaaatgactg gaatgaaaaa ctctacccag    240
33 tgtggaagcg gggagacatg aggtggaaaa actcctggaa gggaggccgt gtgcaggcgg    300
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37 tattccctag atgccaaaag gaagatgcca atggcaacat agtctatgag aagaactgca    420
39 gaaatgaggc tggtttatct gctgatccat atgtttacaa ctggacagca tggtcagagg    480
41 acagtgacgg ggaaaatggc accggccaaa gccatcataa cgtcttccct gatgggaaac    540
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45 gtcagtattt ccagaaattg ggacgatgtt cagtgagagt ttctgtgaac acagccaatg    660
47 tgacacttgg gcctcaactc atggaagtga ctgtctacag aagacatgga cgggcatatg    720
49 ttcccatcgc acaagtgaaa gatgtgtacg tggtaacaga tcagattcct gtgtttgtga    780
51 ctatgttcca gaagaacgat cgaaattcat ccgacgaaac cttcccaaag atctccccat    840
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55 caagtggagc ttcggggata atactggcct gtttgtttcc accaatcata ctgtgaatca    960
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59 accttgtccg ccaccgccac caccacccag accttcaaaa cccaccccctt ctttaggacc   1080
61 tgctggtgac aacccectgg agctgagtag gattcctgat gaaaactgcc agattaacag   1140
63 atatggccac tttcaagcca ccatcacaat tgtagaggga atcttagagg ttaacatcat   1200
65 ccagatgaca gacgtcctga tgccggtgcc atggcctgaa agctccctaa tagactttgt   1260
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71 tgtgagacga accttcaatg ggtctgggac gtactgtgtg aacctcaccc tggggggatga   1440
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75 tttaaggatg gcaaacagtg ccctgatctc cgttggctgc ttggccatat ttgtcactgt   1560
77 gatctccctc ttggtgtaca aaaaacacaa ggaatacaac ccaatagaaa atagtcctgg   1620
79 gaatgtggtc agaagcaaag gcctgagtgt ctttctcaac cgtgcaaaag ccgtgttctt   1680
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87  ttgaattttt tataggttaa atgtcatttt agagatgggg agagggatta tactgcaggc  1920
89  agcttcagcc atgttgtgaa actgataaaa gcaacttagc aaggcttctt ttcattattt  1980
91  tttatgtttc acttataaag tcttaggtaa ctagtaggat agaaacactg tgtcccgaga  2040
93  gtaaggagag aagctactat tgattagagc ctaacccagg ttaactgcaa gaagaggcgg  2100
95  gatactttca gctttccatg taactgtatg cataaagcca atgtagtcca gtttctaaga  2160
97  tcatgttcca agctaactga atcccacttc aatacacact catgaactcc tgatggaaca  2220
99  ataacaggcc caagcctgtg gtatgatgtg cacacttgct agactcagaa aaaatactac  2280
101 tctcataaat gggtgggagt attttggtga caacctactt tgcttggctg agtgaaggaa  2340
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105 atgatgctga gtgacactct tgtgtatatt tccaaatttt tgtatagtcg ctgcacatat  2460
107 ttgaaatcaa aatattaaga ctttccaaaa atttggtccc tggttttttca tggcaacttg  2520
109 atcagtaagg atttcccctc tgtttggaac taaaaccatt tactatatgt tagacaagac  2580
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113 aaaaaaaaaa aaaaaaaaaa a                                              2661
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116 <210> SEQ ID NO: 2
117 <211> LENGTH: 560
118 <212> TYPE: PRT
119 <213> ORGANISM: Homo sapiens
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127 Leu Pro Leu Asp Ala Ala Lys Arg Phe His Asp Val Leu Gly Asn Glu
128             20              25              30
131 Arg Pro Ser Ala Tyr Met Arg Glu His Asn Gln Leu Asn Gly Trp Ser
132         35              40              45
135 Ser Asp Glu Asn Asp Trp Asn Glu Lys Leu Tyr Pro Val Trp Lys Arg
136     50              55              60
139 Gly Asp Met Arg Trp Lys Asn Ser Trp Lys Gly Gly Arg Val Gln Ala
140 65              70              75              80
143 Val Leu Thr Ser Asp Ser Pro Ala Leu Val Gly Ser Asn Ile Thr Phe
144             85              90              95
147 Ala Val Asn Leu Ile Phe Pro Arg Cys Gln Lys Glu Asp Ala Asn Gly
148             100             105             110
151 Asn Ile Val Tyr Glu Lys Asn Cys Arg Asn Glu Ala Gly Leu Ser Ala
152         115             120             125
155 Asp Pro Tyr Val Tyr Asn Trp Thr Ala Trp Ser Glu Asp Ser Asp Gly
156     130             135             140
159 Glu Asn Gly Thr Gly Gln Ser His His Asn Val Phe Pro Asp Gly Lys
160 145             150             155             160
163 Pro Phe Pro His His Pro Gly Trp Arg Arg Trp Asn Phe Ile Tyr Val
164             165             170             175
167 Phe His Thr Leu Gly Gln Tyr Phe Gln Lys Leu Gly Arg Cys Ser Val
168             180             185             190
171 Arg Val Ser Val Asn Thr Ala Asn Val Thr Leu Gly Pro Gln Leu Met
172         195             200             205
175 Glu Val Thr Val Tyr Arg Arg His Gly Arg Ala Tyr Val Pro Ile Ala
176     210             215             220
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179 Gln Val Lys Asp Val Tyr Val Val Thr Asp Gln Ile Pro Val Phe Val
180 225                 230             235             240
183 Thr Met Phe Gln Lys Asn Asp Arg Asn Ser Ser Asp Glu Thr Phe Leu
184             245                 250                 255
187 Lys Asp Leu Pro Ile Met Phe Asp Val Leu Ile His Asp Pro Ser His
188             260                 265                 270
191 Phe Leu Asn Tyr Ser Thr Ile Asn Tyr Lys Trp Ser Phe Gly Asp Asn
192         275                 280             285
195 Thr Gly Leu Phe Val Ser Thr Asn His Thr Val Asn His Thr Tyr Val
196     290                 295             300
199 Leu Asn Gly Thr Phe Ser Leu Asn Leu Thr Val Lys Ala Ala Ala Pro
200 305             310             315                 320
203 Gly Pro Cys Pro Pro Pro Pro Pro Pro Arg Pro Ser Lys Pro Thr
204         325                 330             335
207 Pro Ser Leu Gly Pro Ala Gly Asp Asn Pro Leu Glu Leu Ser Arg Ile
208         340             345             350
211 Pro Asp Glu Asn Cys Gln Ile Asn Arg Tyr Gly His Phe Gln Ala Thr
212         355             360             365
215 Ile Thr Ile Val Glu Gly Ile Leu Glu Val Asn Ile Ile Gln Met Thr
216     370             375             380
219 Asp Val Leu Met Pro Val Pro Trp Pro Glu Ser Ser Leu Ile Asp Phe
220 385             390             395                 400
223 Val Val Thr Cys Gln Gly Ser Ile Pro Thr Glu Val Cys Thr Ile Ile
224             405             410                 415
227 Ser Asp Pro Thr Cys Glu Ile Thr Gln Asn Thr Val Cys Ser Pro Val
228         420             425                 430
231 Asp Val Asp Glu Met Cys Leu Leu Thr Val Arg Arg Thr Phe Asn Gly
232         435             440             445
235 Ser Gly Thr Tyr Cys Val Asn Leu Thr Leu Gly Asp Asp Thr Ser Leu
236     450             455             460
239 Ala Leu Thr Ser Thr Leu Ile Ser Val Pro Asp Arg Asp Pro Ala Ser
240 465             470             475                 480
243 Pro Leu Arg Met Ala Asn Ser Ala Leu Ile Ser Val Gly Cys Leu Ala
244             485             490                 495
247 Ile Phe Val Thr Val Ile Ser Leu Leu Val Tyr Lys Lys His Lys Glu
248         500             505             510
251 Tyr Asn Pro Ile Glu Asn Ser Pro Gly Asn Val Val Arg Ser Lys Gly
252         515             520             525
255 Leu Ser Val Phe Leu Asn Arg Ala Lys Ala Val Phe Phe Pro Gly Asn
256     530             535             540
259 Gln Glu Lys Asp Pro Leu Leu Lys Asn Gln Glu Phe Lys Gly Val Ser
260 545             550             555             560
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VERIFICATION SUMMARY
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